IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE

APPLICATION FOR
UNITED STATES UTILITY PATENT

AIR SYSTEMS FOR VEHICLES

Extra Set Claims - 1 - 20 - For PTO Examiner

INVENTOR
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CLAIMS:

1. A vehicle comprising

a vehicle body,

rotatable apparatus connected to the vehicle body for movement of the vehicle, and

an air system connected to the vehicle, the air system for directing a flow of air at the rear of a head of a person occupying the vehicle.

2. The vehicle of claim 1 further comprising

a power supply for the air system.

the at least one fan is two spaced-apart fans.

3. The vehicle of claim 1 wherein the power supply is portable.

4. The vehicle of claim 1 further comprising

the air system comprising at least one fan apparatus positionable behind the person occupying the vehicle.

5. The vehicle of claim 4 wherein the at least one fan is two spaced-apart fans.

6. The vehicle of claim 5 wherein the vehicle has a roof and a space beneath the roof and wherein the two spaced-apart fans are positioned for directing air into the space beneath the roof to dissipate hot air beneath the roof.

7. The vehicle of claim 6 wherein air flows from each fan intersect creating an area of turbulent air flow beneath the roof.

8. The vehicle of claim 1 wherein the vehicle has a driver having a head and the air system comprises a fan positioned behind the driver, the fan positioned for directing an air flow at a rear of the driver's head and neck.

9. The vehicle of claim 1 wherein the vehicle has two occupants and the air system comprises two spaced-apart fans, a first one of the spaced-apart fans for directing a flow of air at a first of the two occupants and a second one of the spaced-apart fans for directing a flow of air at a second of the two occupants.

10. The vehicle of claim 1 wherein the vehicle has a roof and the roof has at least one elongated opening therethrough, the at least one elongated opening extending in an opening direction along the roof,

the air system further comprising at least one fan mounted to the vehicle beneath the roof for directing a flow of air in the direction of the opening direction.

11. The vehicle of claim 10 wherein the at least one fan is a plurality of spaced-apart fans.

12. The vehicle of claim 1 further comprising

roof mount structure on the vehicle body,

a roof on the roof mount structure, and

at least part of the roof made of insulating material.

13. A vehicle comprising

a vehicle body,

rotatable apparatus connected to the vehicle body for movement of the vehicle,

roof mount structure on the vehicle body,

a roof on the roof mount structure, and

an air system connected to the vehicle for directing a flow of air to an area beneath the roof for dissipating hot air beneath the roof.

14. The vehicle of claim 13 wherein the air system comprises at least one fan.

15. The vehicle of claim 14 wherein the at least one fan is two spaced-apart fans and air flows from each fan intersect creating an area of turbulent air flow beneath the roof.

16. The vehicle of claim 13 wherein the vehicle has a roof and the roof has at least one elongated opening therethrough, the at least one elongated opening extending in an opening direction along the roof,

the air system further comprising at least one fan

mounted to the vehicle beneath the roof for directing a flow of air in the direction of the opening direction.

17. The vehicle of claim 13 wherein the air system directs a flow of air at the rear of a head of a person occupying the vehicle.

18. The vehicle of claim 1 further comprising

a power supply for the air system.

19. A method for cooling a a person occupying a vehicle, the vehicle comprising a vehicle body, rotatable apparatus connected to the vehicle body for movement of the vehicle, and an air system connected to the vehicle, the air system for directing a flow of air at a rear of a head of the person occupying the vehicle, the method comprising

flowing air from the air system at the rear of the head of the person occupying the vehicle.

20. A method for dissipating heat from a space beneath a roof of a vehicle, the vehicle comprising a vehicle body, rotatable apparatus connected to the vehicle body for movement of the vehicle, roof mount structure on the vehicle body, a roof on the roof mount structure, and an air system connected to the vehicle for directing a flow of air to a space beneath the roof for dissipating hot air beneath the roof, the method comprising

flowing air from the air system into the space beneath the roof to dissipate hot air in said space.

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Extra Set Drawings - 2 Sheets - For PTO Examiner

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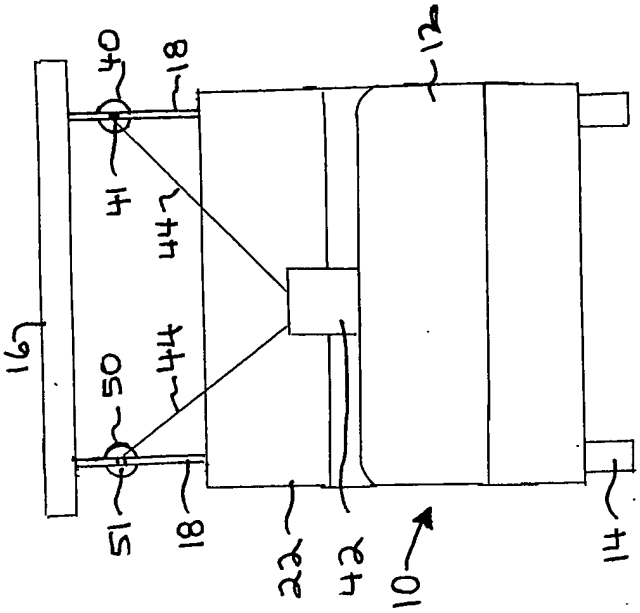
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Fig. 1B

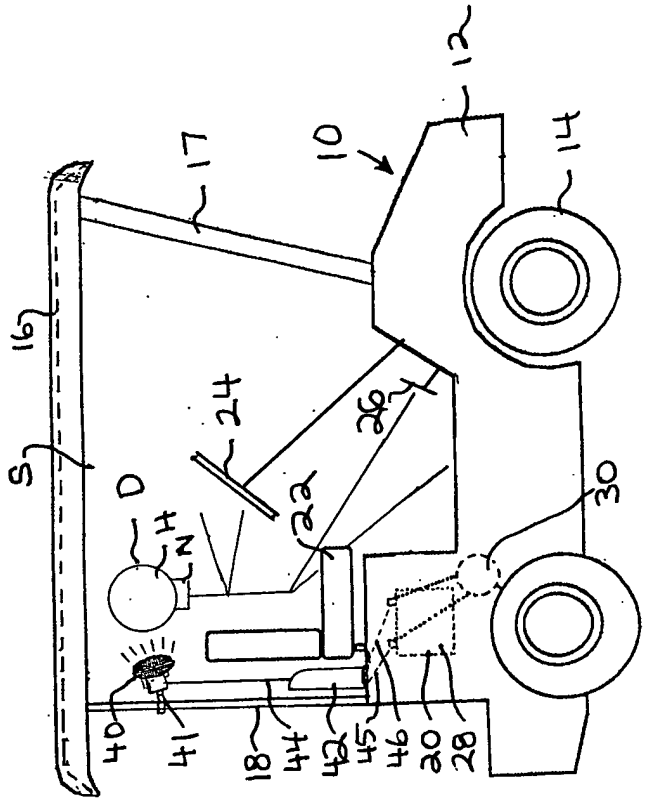
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Fig. 1A

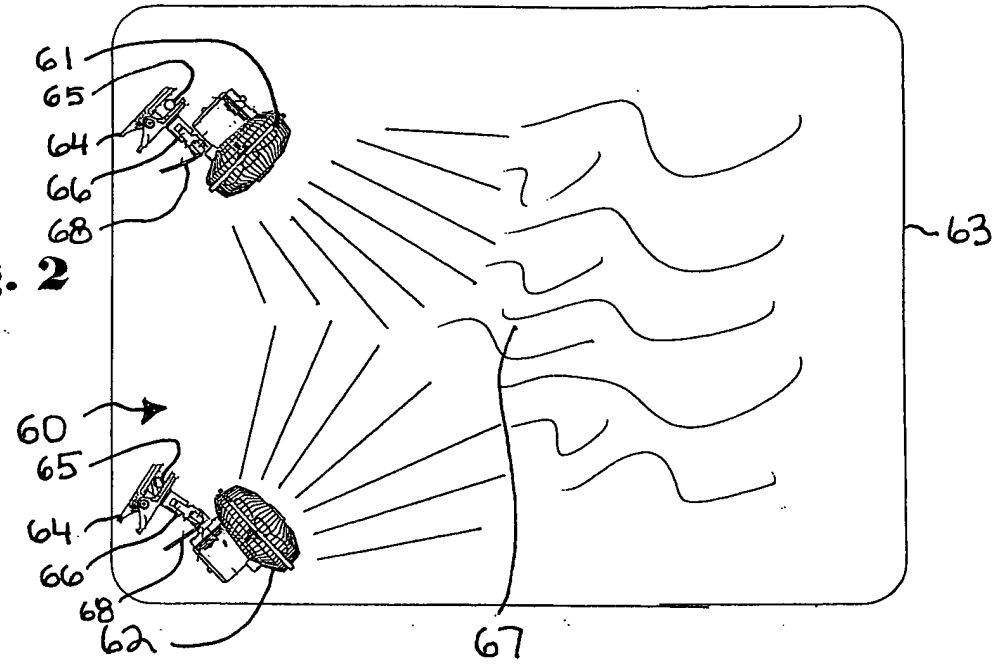

Fig. 2

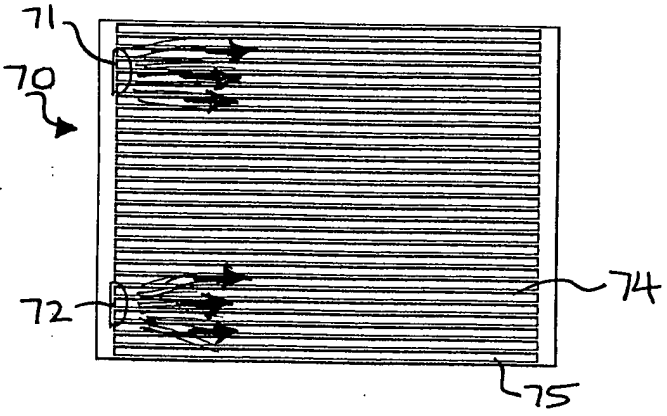

Fig. 3A

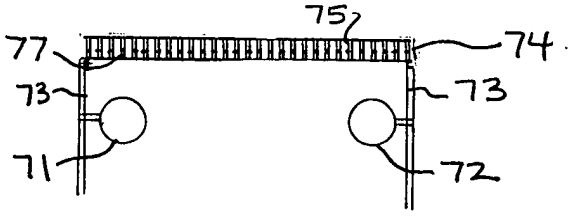

Fig. 3B